

Production scheduling and capacity planning

This workflow automatically generates optimized production schedules based on demand forecasts, inventory levels, and brewing capacity to maximize efficiency and meet delivery commitments.

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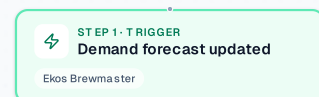


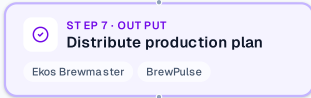
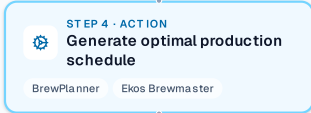
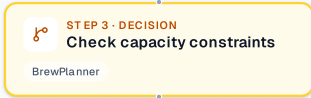
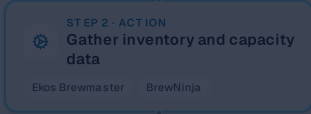
WORKFLOW TRIGGER

Monthly demand forecast is updated in the brewery management system

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

↳ TRIGGER

Demand forecast updated

Monthly sales projections and customer orders are imported from the brewery management system. This triggers the production planning cycle to begin.

2

 ACTION

Gather inventory and capacity data

Current raw material inventory levels, tank availability, and brewing equipment capacity are pulled from multiple systems. Historical production times for each beer style are also retrieved.

Ekos Brewmaster

BrewNinja

3

 DECISION

Check capacity constraints

The system evaluates whether current brewing capacity can meet projected demand within required timeframes. If capacity is insufficient, alternative scheduling options are explored.

BrewPlanner

4

 ACTION

Generate optimal production schedule

An optimized brewing schedule is created that balances demand requirements with capacity constraints and ingredient availability. Fermentation cycles and tank allocation are planned.

BrewPlanner

Ekos Brewmaster

5

 ACTION

Calculate resource requirements

Raw material needs, labor requirements, and equipment utilization rates are calculated based on the proposed schedule. Purchase orders for ingredients are prepared.

Ekos Brewmaster

6

 ACTION

Update distribution timeline

Expected completion dates for each batch are synchronized with distribution planning systems. Customer delivery commitments are updated based on production schedule.

TapHunter Pro

Ekos Brewmaster

7

 OUTPUT

Distribute production plan

The finalized production schedule is distributed to brewing teams, inventory managers, and sales staff. Automated alerts are set up for schedule deviations.

Ekos Brewmaster

BrewPulse



Outputs

- Optimized monthly production schedule

AI Business OS

- Raw material purchase orders
- Updated delivery commitments
- Capacity utilization report



Key Metrics

- Production capacity utilization rate
- Schedule adherence percentage
- Inventory turnover rate



Tools & Integrations

- Ekos Brewmaster
- BrewNinja
- BrewPlanner
- TapHunter Pro
- BrewPulse

AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

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